

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PL/2-22968	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/EP2004/052426	International filing date (day/month/year) 04/10/2004	(Earliest) Priority Date (day/month/year) 23/10/2003
Applicant CIBA SPECIALTY CHEMICALS HOLDING INC.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 8 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the drawings,

- a. the figure of the **drawings** to be published with the abstract is Figure No. _____

☐ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/052426

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C09B67/22

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C09B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 511 165 A (CIBA GEIGY AG) 28 October 1992 (1992-10-28) examples 6,7 & US 5 424 452 A (WOODEN GARY ET AL) 13 June 1995 (1995-06-13) cited in the application	1-7, 15-18
X	EP 0 181 290 A (CIBA GEIGY AG) 14 May 1986 (1986-05-14) cited in the application examples & US 4 720 305 A (PFENNINGER JOHANNES ET AL) 19 January 1988 (1988-01-19) cited in the application ----- -/--	1-7, 15-18



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

29 December 2004

Date of mailing of the international search report

11/01/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Ketterer, M

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/052426

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 579 949 A (IQBAL ABUL ET AL) 1 April 1986 (1986-04-01) cited in the application example 46 -----	1-7, 15-18
A	WO 99/54332 A (CIBA SC HOLDING AG) 28 October 1999 (1999-10-28) cited in the application claims; example 12 -----	9-13
P,A	WO 2004/018566 A (GANSCHOW MATTHIAS ; CLARIANT GMBH (DE); WEBER JOACHIM (DE); HUNSDORF) 4 March 2004 (2004-03-04) the whole document -----	9-20
A	WO 03/022847 A (MODOUX FLORENCE ; CIBA SC HOLDING AG (CH); RUFFIEUX VINCENT (CH)) 20 March 2003 (2003-03-20) examples -----	15-18
A	EP 1 120 444 A (CIBA SC HOLDING AG) 1 August 2001 (2001-08-01) claims; example 10 -----	1-7, 15-18
X	EP 0 877 058 A (CIBA GEIGY AG) 11 November 1998 (1998-11-11) claims & US 6 066 202 A (SCHLOEDER INGO ET AL) 23 May 2000 (2000-05-23) cited in the application -----	1-8, 15-18
X	EP 0 748 851 A (CIBA GEIGY AG) 18 December 1996 (1996-12-18) examples -----	1-7, 15-18
X	EP 0 640 603 A (CIBA GEIGY AG) 1 March 1995 (1995-03-01) the whole document -----	1-7, 15-18
X	DE 40 37 556 A (CIBA GEIGY AG) 29 May 1991 (1991-05-29) examples 3,4,11 & GB 2 238 550 A (CIBA GEIGY AG) 5 June 1991 (1991-06-05) cited in the application -----	1-7, 15-18
X	EP 0 256 983 A (CIBA GEIGY AG) 24 February 1988 (1988-02-24) examples & US 4 783 540 A (BAEBLER FRIDOLIN) 8 November 1988 (1988-11-08) cited in the application -----	15-18
	----- -/--	

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/052426

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 786 487 A (HENDI SHIVAKUMAR B) 28 July 1998 (1998-07-28) cited in the application table 1	15-18
P,A	WO 2004/007604 A (LENZ ROMAN ; WALLQUIST OLOF (CH); YOUSAF TAHER (CH); CIBA SC HOLDING A) 22 January 2004 (2004-01-22) the whole document	1-22
A	WO 00/33795 A (BUGNON PHILIPPE ; CIBA SC HOLDING AG (CH)) 15 June 2000 (2000-06-15) cited in the application examples	21,22

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/052426

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0511165	A	28-10-1992	CA 2067069 A1	27-10-1992
			DE 59206887 D1	19-09-1996
			EP 0511165 A2	28-10-1992
			JP 3135977 B2	19-02-2001
			JP 5140165 A	08-06-1993
			KR 199480 B1	15-06-1999
			US 5424452 A	13-06-1995
			US 5200528 A	06-04-1993
			US 5342955 A	30-08-1994
US 5424452	A	13-06-1995	US 5342955 A	30-08-1994
			CA 2067069 A1	27-10-1992
			DE 59206887 D1	19-09-1996
			EP 0511165 A2	28-10-1992
			JP 3135977 B2	19-02-2001
			JP 5140165 A	08-06-1993
			KR 199480 B1	15-06-1999
			US 5200528 A	06-04-1993
EP 0181290	A	14-05-1986	AU 584029 B2	11-05-1989
			AU 4972585 A	15-05-1986
			BR 8505560 A	12-08-1986
			CA 1260477 A1	26-09-1989
			CS 257281 B2	15-04-1988
			DE 3584138 D1	24-10-1991
			DK 511585 A ,B,	08-05-1986
			EP 0181290 A2	14-05-1986
			ES 8802366 A1	01-08-1988
			JP 1849585 C	07-06-1994
			JP 5066417 B	21-09-1993
			JP 61120861 A	07-06-1986
			KR 8904336 B1	31-10-1989
			US 4720305 A	19-01-1988
			ZA 8508523 A	25-06-1986
US 4720305	A	19-01-1988	AU 584029 B2	11-05-1989
			AU 4972585 A	15-05-1986
			BR 8505560 A	12-08-1986
			CA 1260477 A1	26-09-1989
			CS 257281 B2	15-04-1988
			DE 3584138 D1	24-10-1991
			DK 511585 A ,B,	08-05-1986
			EP 0181290 A2	14-05-1986
			ES 8802366 A1	01-08-1988
			JP 1849585 C	07-06-1994
			JP 5066417 B	21-09-1993
			JP 61120861 A	07-06-1986
			KR 8904336 B1	31-10-1989
			ZA 8508523 A	25-06-1986
US 4579949	A	01-04-1986	AR 242417 A1	31-03-1993
			AT 22104 T	15-09-1986
			AU 568298 B2	24-12-1987
			AU 1444783 A	24-11-1983
			BR 8302570 A	17-01-1984
			CA 1236105 A1	03-05-1988
			CS 236794 B2	15-05-1985
			DD 209832 A5	23-05-1984

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/052426

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4579949	A		DD 209832 C4	18-12-1985
			DE 3366011 D1	16-10-1986
			DK 217683 A ,B,	18-11-1983
			EP 0094911 A2	23-11-1983
			ES 8406482 A1	01-11-1984
			HU 190489 B	29-09-1986
			JP 1746176 C	25-03-1993
			JP 4025273 B	30-04-1992
			JP 58210084 A	07-12-1983
			KR 9006751 B1	20-09-1990
			PL 242009 A1	13-08-1984
			SU 1225489 A3	15-04-1986
			ZA 8303468 A	29-02-1984
WO 9954332	A	28-10-1999	AT 241627 T	15-06-2003
			AU 766047 B2	09-10-2003
			AU 2393699 A	04-11-1999
			AU 754087 B2	07-11-2002
			AU 3816399 A	08-11-1999
			CA 2269587 A1	22-10-1999
			CA 2321150 A1	28-10-1999
			CN 1236784 A	01-12-1999
			CN 1125069 B	22-10-2003
			CZ 9901405 A3	17-11-1999
			DE 69908345 D1	03-07-2003
			DE 69908345 T2	25-03-2004
			WO 9954332 A1	28-10-1999
			EP 0952183 A1	27-10-1999
			EP 1073659 A1	07-02-2001
			ES 2199571 T3	16-02-2004
			JP 11349844 A	21-12-1999
			JP 2002512247 T	23-04-2002
			SK 51899 A3	13-03-2000
			SK 15872000 A3	12-03-2001
			TW 499464 B	21-08-2002
			US 2002178516 A1	05-12-2002
			US 6576768 B1	10-06-2003
			US 6409956 B1	25-06-2002
			US 2004092627 A1	13-05-2004
			ZA 9902845 A	22-10-1999
			ZA 200004219 A	17-12-2001
WO 2004018566	A	04-03-2004	DE 10235573 A1	12-02-2004
			WO 2004018566 A1	04-03-2004
WO 03022847	A	20-03-2003	CA 2457710 A1	20-03-2003
			WO 03022847 A2	20-03-2003
			WO 03022848 A2	20-03-2003
			EP 1436296 A2	14-07-2004
			EP 1425282 A2	09-06-2004
			US 2004171847 A1	02-09-2004
			US 2004249162 A1	09-12-2004
EP 1120444	A	01-08-2001	CN 1309152 A	22-08-2001
			EP 1120444 A2	01-08-2001
			JP 2001207075 A	31-07-2001
			US 2003089280 A1	15-05-2003
			US 2001015154 A1	23-08-2001

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/052426

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0877058	A	11-11-1998	CA 2236619 A1 DE 59804631 D1 EP 0877058 A2 ES 2178136 T3 JP 10316876 A US 6066202 A	06-11-1998 08-08-2002 11-11-1998 16-12-2002 02-12-1998 23-05-2000
US 6066202	A	23-05-2000	CA 2236619 A1 DE 59804631 D1 EP 0877058 A2 ES 2178136 T3 JP 10316876 A	06-11-1998 08-08-2002 11-11-1998 16-12-2002 02-12-1998
EP 0748851	A	18-12-1996	CA 2179106 A1 CN 1146469 A ,B CZ 9601736 A3 DE 59606863 D1 EP 0748851 A2 JP 9025428 A US 5738719 A	16-12-1996 02-04-1997 15-01-1997 13-06-2001 18-12-1996 28-01-1997 14-04-1998
EP 0640603	A	01-03-1995	CA 2128916 A1 DE 59410238 D1 EP 0640603 A1 ES 2189797 T3 JP 7090189 A US 5476949 A	30-01-1995 13-03-2003 01-03-1995 16-07-2003 04-04-1995 19-12-1995
DE 4037556	A	29-05-1991	DE 4037556 A1 FR 2655051 A1 GB 2238550 A ,B IT 1243398 B JP 2931087 B2 JP 3181569 A	29-05-1991 31-05-1991 05-06-1991 10-06-1994 09-08-1999 07-08-1991
GB 2238550	A	05-06-1991	DE 4037556 A1 FR 2655051 A1 IT 1243398 B JP 2931087 B2 JP 3181569 A	29-05-1991 31-05-1991 10-06-1994 09-08-1999 07-08-1991
EP 0256983	A	24-02-1988	CA 1301411 C DE 3760623 D1 EP 0256983 A1 JP 2578125 B2 JP 63048279 A US 4783540 A	26-05-1992 02-11-1989 24-02-1988 05-02-1997 29-02-1988 08-11-1988
US 4783540	A	08-11-1988	CA 1301411 C DE 3760623 D1 EP 0256983 A1 JP 2578125 B2 JP 63048279 A	26-05-1992 02-11-1989 24-02-1988 05-02-1997 29-02-1988
US 5786487	A	28-07-1998	BR 9703467 A CA 2206756 A1 CN 1171402 A ,B DE 69711985 D1	06-10-1998 05-12-1997 28-01-1998 23-05-2002

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/052426

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5786487	A	DE 69711985 T2	31-10-2002
		EP 0811625 A2	10-12-1997
		JP 10081687 A	31-03-1998
<hr/>			
WO 2004007604	A	22-01-2004	WO 2004007604 A1
			22-01-2004
<hr/>			
WO 0033795	A	15-06-2000	AU 2094100 A
			26-06-2000
		WO 0033795 A1	15-06-2000
		EP 1137390 A1	04-10-2001
<hr/>			